

FISCAL YEAR 2007 FUNDING PROPOSAL

for the

ENVIRONMENTAL CLEANUP AND REDEVELOPMENT
PROGRAM

from the

ENVIRONMENTAL PROTECTION BOND FUND

and

CLEAN MICHIGAN INITIATIVE BOND FUND



Jennifer M. Granholm, Governor
Steven E. Chester, Director
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Michigan Department of Environmental Quality
Remediation & Redevelopment Division

FISCAL YEAR 2007 FUNDING PROPOSAL CLEANUP AND REDEVELOPMENT PROGRAM

This proposal outlines the Department of Environmental Quality's (DEQ) request for Fiscal Year 2007 (FY07) funding in support of the Environmental Cleanup and Redevelopment Program.

Funding Sources

Funding is being requested from three sources:

- The **Environmental Protection Bond Fund (EPBF)**, pursuant to Part 195 of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). In November 1988, Michigan voters passed proposal "C," establishing an Environmental Protection Bond, and providing a major new source of funding, \$425 million, to cleanup sites of environmental contamination throughout Michigan.
- The **Clean Michigan Initiative Bond Fund (CMI)**, created under Section 6(1) of Part 196, Clean Michigan Initiative Implementation, of the NREPA, is a \$675 million general obligation bond. Funding is being requested from the "response activities at facilities" category contained in Section 7(1)(a) of Part 196. The breakdown of the \$335 million "response activities at facilities" is given below:
 - One hundred fifty-five million dollars (\$155 million) is to be used to cleanup contaminated sites to promote redevelopment.
 - Seventy five million dollars (\$75 million) is for grants and loans to local units of government for response activities at known or suspected contaminated properties that have redevelopment potential.
 - Eight million dollars (\$8 million) is for grants to local units of government to assist with remedial costs at municipal solid waste landfills they owned or operated which are on, or nominated for, the federal National Priorities List (i.e., the Superfund list).
 - Ninety seven million dollars (\$97 million) is to be used at contaminated facilities that pose an imminent or substantial endangerment to the public health, safety, or welfare, or to the environment.
- The **Cleanup and Redevelopment Fund (CRF)** was created under Section 8 of Part 201 of the NREPA. The CRF includes escheats from unclaimed bottle deposits.

This request will exhaust EPBF and CMI funds available for the environmental cleanup and redevelopment program administered by the DEQ.

Environmental Cleanup and Redevelopment Program

The Remediation and Redevelopment Division (RRD) is responsible for the implementation of the state environmental cleanup program under Part 196, CMI Implementation, Part 213, Leaking Underground Storage Tanks, and Part 201, Environmental Remediation, of the NREPA.

Emergency/Contingency Program

The RRD plans to use \$4,000,000 in FY07 CRF funds for contingencies and emergency actions as identified by the division. Examples for use of these funds are:

- Abating imminent fire and explosion hazards.
- Abating imminent public health hazards.
- Mitigating the discharge of hazardous substances to surface waters and other sensitive environmental receptors.
- Providing bottled water to residences with contaminated drinking water until there is a permanent resolution.
- Emergency drinking water treatment technology or well replacements.
- Monitoring of drinking water wells that are threatened by contamination.
- Assessment of suspect sites to evaluate acute risk.

FY07 DEQ Funding Request

Under Section 13(3) of Part 201 and Section 8(7) of Part 196 of the NREPA, the DEQ seeks an annual appropriation. As part of this request, the DEQ must submit a list of the cleanup project sites where it is proposing to expend funds along with the following information for each site: county, nature of activities planned, and estimated cost of these activities.

For FY07, the DEQ is seeking an appropriation of \$25,100,000 as outlined in the table below.

Program	EPBF	CMI	CRF	Total
Environmental Cleanup and Redevelopment	\$15,500,000	\$5,600,000		\$21,100,000
Emergency Cleanup Actions and Contingencies			\$4,000,000	\$4,000,000
	\$15,500,000	\$5,600,000	\$4,000,000	\$25,100,000

This document provides program information and a list of the proposed cleanup projects. The emergency cleanup actions and contingency projects are not listed, as they will be chosen based on needs that arise during FY07.

A summary of the number of projects and estimated costs, by county, for the 67 projects is provided in the table on the following page.

**FY07 RRD CLEANUP PROJECTS
PROPOSED FUNDING BY COUNTY**

County	Amount Proposed	Number of Sites	County	Amount Proposed	Number of Sites
Alcona	\$300,000	1	Lapeer	\$200,000	1
Allegan	\$250,000	1	Leelanau	\$200,000	1
Antrim	\$3,375,000	3	Lenawee	\$500,000	1
Barry	\$75,000	1	Livingston	\$135,000	1
Berrien	\$450,000	2	Mason	\$40,000	1
Branch	\$600,000	1	Montcalm	\$100,000	1
Calhoun	\$250,000	1	Muskegon	\$975,000	3
Cass	\$690,000	4	Oakland	\$825,000	5
Delta	\$120,000	1	Ogemaw	\$350,000	1
Gladwin	\$150,000	1	Oscoda	\$2,828,000	1
Gratiot	\$175,000	3	Ottawa	\$125,000	2
Ingham	\$250,000	1	Saginaw	\$170,000	2
Iosco	\$695,000	3	Sanilac	\$300,000	1
Iron	\$20,000	1	Shiawassee	\$75,000	1
Isabella	\$60,000	1	St. Clair	\$237,000	3
Jackson	\$800,000	2	VanBuren	\$200,000	2
Kalamazoo	\$520,000	3	Wayne	\$200,000	2
Kent	\$3,450,000	3	Wexford	\$960,000	3
Lake	\$150,000	1	Statewide	\$300,000	1
Total 67 sites -- \$21,100,000					

The RRD EPBF and CMI projects proposed for FY07 funding are described in the table “RRD FY07 Proposed EPBF and CMI Projects,” which begins on page 4. The projects are listed in county order, with the following information provided for each site:

- **Site ID #** -- Number used to identify the site within the state of Michigan.
- **Site Name and Address** -- The name commonly used to refer to the site, along with the street address and city in which the site is located.
- **County** -- The county in which the site is located.
- **New Site** -- This column indicates if this is the first time the site has been proposed by the RRD for state funding.
- **Cost Estimate** -- The estimated cost of the actions proposed for FY07.
- **Actions Needed** -- Actions planned to be conducted to remediate environmental issues or prepare the site for redevelopment.

**RRD FY07 PROPOSED ENVIRONMENTAL PROTECTION BOND FUND AND
CLEAN MICHIGAN INITIATIVE PROJECTS**
(County Order)

Site ID	Site name	County	New Site	Cost Estimate	Actions Needed
01000035	Former Parts Manufacturing 609 S Second Street Harrisville	Alcona	Yes	\$300,000	Conduct investigation to define extent of soil and groundwater contamination from release of solvents which may be venting to Lake Huron and threatens Harrisville State Park campground and beach.
03000237	Wayland Recycling 763 W Elm Street Wayland	Allegan	Yes	\$250,000	Investigate extent and impact of extremely high soil concentrations of trichloroethene, tetrachloroethene, trichlorofluoromethane, and other volatile organic compounds, polychlorinated biphenyls (PCB), and metals. Determine groundwater impacts.
05000005	Wickes Manufacturing Mancelona US131 Mancelona	Antrim	No	\$3,000,000	Continue investigation of trichloroethylene (TCE) contaminated plume resulting from plating operations. The plume is known to extend six miles, affecting numerous parcels of property and drinking water supply systems.
05000018	Vlg of Mancelona 403 N Williams Mancelona	Antrim	No	\$175,000	One year of operation and maintenance on a soil and groundwater treatment system installed to protect the groundwater that supplies a municipal well and the indoor air quality of the residences in the area.
05000097	Portside Cleaners 140 Ames Street Elk Rapids	Antrim	No	\$200,000	Investigate tetrachloroethylene (PCE) contamination from dry cleaning operations to determine risks to municipal well.
08000007	Kavco LF Day Road Prairieville Township	Barry	No	\$75,000	One year of monitoring gas and groundwater levels and operation and maintenance of the methane gas collection system to prevent the accumulation of explosive levels of methane gas.
11000034	Res Wells Niles 3 rd Street US31 Niles	Berrien	No	\$50,000	Continue operation and maintenance of a two-part remediation system involving air sparging and soil vapor extraction to address TCE contamination and prevent discharge to the St. Joseph River.
11000427	Truck Terminals 531 Paw Paw Avenue Benton Harbor	Berrien	Yes	\$400,000	Remove free petroleum product adjacent to the Paw Paw River and conduct investigation to determine extent and risks from contamination.
12000042	Butler Motor Speedway 1035 Clarendon Road	Branch	Yes	\$600,000	Conduct investigation and other remedial actions to address PCB contamination from waste oil stored in unlined pits and tanks.

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Site ID	Site name	County	New Site	Cost Estimate	Actions Needed
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13000274	Marshall Iron & Metal 817 Industrial Road Marshall	Calhoun	Yes	\$250,000	Conduct investigation and other remedial actions to address free petroleum product adjacent to the Kalamazoo River.
14000002	Cass St Area Edwardsburg	Cass	No	\$165,000	Continue operation and maintenance of soil and groundwater treatment systems addressing contamination from dry cleaning operations.
14000015	Southwest Cass Co LF 709 Anderson Milton Township	Cass	Yes	\$350,000	Investigate extent and risks from Di(2-ethylhexyl)phthalate identified in residential drinking water wells.
14000017	U.S. Aviax 1056 Huntly Road Niles	Cass	No	\$125,000	Continue operation and maintenance of the groundwater treatment system installed to address contamination caused by the production of non-lubricating automobile solvents.
14000031	Henco Enterprises 2241 Lake Street Niles	Cass	No	\$50,000	Continue operation and maintenance of the groundwater treatment system installed to address TCE contamination which threatens the city's municipal well.
21000110	Gladstone Creosote Discharge Lake Shore Drive Gladstone	Delta	No	\$120,000	Continue operation and maintenance of a free petroleum product and groundwater treatment system installed to address existing soil contamination on the lakeshore and to treat creosote and contaminated groundwater prior to its discharge to Little Bay de Noc.
26000005	Gladwin Bulk Oil Plant State St 400 N State Street Gladwin	Gladwin	No	\$150,000	Continue operation and maintenance of the remediation system to prevent free petroleum product migration to a residential area.
29000002	Alma Iron Metal Smith Property 7040-7150 S State Road St. Louis	Gratiot	No	\$5,000	Maintain cap installed to address direct contact hazards with heavy metals and PCBs due to salvage yard operations.

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Site ID	Site name	County	New Site	Cost Estimate	Actions Needed
29000006	Gratiot Metals Property S Elm Street Ithaca	Gratiot	No	\$20,000	Maintain cap installed to address direct contact hazards with lead.
29000046	Gratiot County Landfill 7391 Croswell Road St. Louis	Gratiot	No	\$150,000	Operation and maintenance of a groundwater treatment system and methane abatement due to landfill operations.
33000492	Americhem Corp 340 North Street Mason	Ingham	No	\$250,000	Operate and maintain extraction system for a free petroleum product and groundwater treatment system for dissolved plume to protect the city's drinking water supply wells and prevent contaminated groundwater from venting into Sycamore Creek.
35000002	Hedblum Industries 1000 AuSable Road Oscoda	Iosco	Yes	\$20,000	Provide municipal water connection for homes within a contamination plume that is not being adequately addressed by the current treatment system.
35000005	Res Wells Bachman Rd Oscoda	Iosco	No	\$325,000	Operate and maintain groundwater treatment system to address benzene, TCE, PCE, and vinyl chloride; eliminate indoor air risks in area homes and businesses; and prevent contaminant discharges into Lake Huron
35000119	E.A. Woods 4356 North F-41 Oscoda	Iosco	Yes	\$350,000	Investigate extent of contamination from concrete plant operations that threatens drinking water wells used by private residences and commercial businesses.
36000009	Buck Mine Discharge Caspian	Iron	No	\$20,000	Operation and maintenance of a treatment system installed to address contamination from mining operations.
37000136	Jourdain Oil Field 9684 Russell Road Clare	Isabella	Yes	\$60,000	Conduct investigation and any response actions needed to address residence well impacted with brine.
38000045	Ryerson-Haynes 2500 Enterprise Street Jackson	Jackson	Yes	\$300,000	Determine extent of contamination and impact to public health and the environment from manufacturing operations that used significant quantities of oils and degreasing solvents.

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Site ID	Site name	County	New Site	Cost Estimate	Actions Needed
38000372	Horton Company 2333 E High Street Jackson	Jackson	Yes	\$500,000	Conduct investigation and free petroleum product removal to address risks to drinking water, direct contact, indoor air, and surface water due to machining operations that generated toxic hazardous waste.
39000023	Lakeside Refining 2705 E Cork Street Kalamazoo	Kalamazoo	No	\$20,000	Operation and maintenance of a groundwater treatment system to address contamination caused during refining of crude oil.
39000030	North 34 th St Area Richland	Kalamazoo	No	\$200,000	Operation and maintenance of a groundwater treatment system installed to address heavy metal contamination from a plastics plating company.
39000052	Schoolcraft Area Organics Contam West Avenue & S 14th Street Schoolcraft	Kalamazoo	No	\$300,000	Continue operation and maintenance of a purge well and treatment systems to prevent migration of a TCE plume and protect drinking water supplies.
41000043	Smiths Industries 4141 Eastern Avenue SE Wyoming	Kent	Yes	\$225,000	Continue operation and maintenance of a groundwater extraction treatment system and a fluid/vapor extraction system to prevent contaminants from discharging to a surface water drain and venting into buildings.
41000069	Franklin Metal Trading Corp (CEMSI) 1860 Alpine Grand Rapids	Kent	No	\$25,000	Operation and maintenance of a groundwater treatment system to protect drinking water and surface water from metals contamination.
41000935	Sparta Foundry (Federal Mogul) 252 Gardner Street Sparta	Kent	Yes	\$3,200,000	Demolish hazardous building previously used to produce automotive parts, conduct an investigation to determine the extent of soil and groundwater contamination, and conduct remedial actions to protect public health and the environment.
43000007	Wash King Laundry M37 Baldwin	Lake	No	\$150,000	Operate and maintain soil vapor and groundwater extraction systems installed to remediate contaminated soils and groundwater impacted with organic contaminants.

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Site ID	Site name	County	New Site	Cost Estimate	Actions Needed
44000122	Howard Street Area Lapeer	Lapeer	Yes	\$200,000	Conduct investigation of petroleum product entering the city waste water utility line and the interior of buildings to determine the source of contamination. Also, conduct remedial actions needed to protect public health.
45000004	Grand Traverse Overall Supply Co 10725 Cherry Bend Road Greilickville	Leelanau	No	\$200,000	Operate and maintain treatment system to address PCE and TCE contamination from dry cleaning operations and to prevent soil vapor from entering an elementary school.
46000208	Adrian Dry Cleaner 444 W Maumee Avenue Adrian	Lenawee	Yes	\$500,000	Conduct investigation to determine the extent and risks associated with PCE concentrations in soil under an occupied commercial building.
47000055	Res Wells Holly Road 7940 Holly Road Brighton	Livingston	No	\$135,000	Operate and maintain soil vapor extraction system to address TCE plume that threatens private drinking water wells.
53000013	Mason County Landfill Inman Road Ludington	Mason	Yes	\$40,000	Replace residential wells that are contaminated with manganese and iron from landfill operations.
59000003	Crystal Refinery 901 N Williams Carson City	Montcalm	No	\$100,000	Continue operation and maintenance of a groundwater treatment system to prevent the migration of free petroleum product and contaminated groundwater into Fish Creek; to reduce the extent and magnitude of contamination in a park and cemetery; and to minimize acute risks, such as fire and explosion hazards and groundwater volatilization to indoor air.
61000039	Peerless Plating 2554 Getty Avenue Muskegon	Muskegon	No	\$75,000	Operation and maintenance of a groundwater treatment system installed to address contamination from electroplating operations.
61000051	Story Chemical Co Ott Cordova 500 Agard Road North Muskegon	Muskegon	No	\$600,000	Continue operation and maintenance of a groundwater treatment system to address contamination from the manufacturing of pesticides and herbicides and prevent discharge to Little Bear Creek.

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61000063	Zephyr Inc. - Naph Sol Refining 1222 Holton Road Muskegon	Muskegon	No	\$300,000	Operation and maintenance of a groundwater/free petroleum product recovery and treatment system to address contamination from refining operations.
63000060	Sanicem Landfill 4901 S Lapeer Road Auburn Hills	Oakland	No	\$350,000	Operate and maintain systems installed to mitigate threats from methane and leachate to neighboring residences.
63000062	Six Star LF (AKA) Stan's Trucking 1131 E Hamlin Road Rochester Hills	Oakland	No	\$50,000	Operate and maintain systems installed to mitigate threats from methane and leachate to neighboring residences.
63000165	Waterford Hills Sanitary LF 7900 Gale Road Waterford	Oakland	No	\$175,000	Operate and maintain systems installed to mitigate threats from methane and leachate to neighboring residences.
63000983	Rockcrot Street Res Wells 5875 - 5911 Dixie Highway Clarkston	Oakland	No	\$100,000	Operate and maintain treatment system to address contaminated groundwater that threatens Townsend Lake in concentrations exceeding groundwater/surface water interface criteria.
63001005	Coe's Cleaners 427 N Main Milford	Oakland	No	\$150,000	Continue operation and maintenance of a groundwater pump and treat system with an air stripper to address contamination from dry cleaning operations that is migrating toward municipal wells.
65000037	Franklin Forge 4747 S M76 West Branch	Ogemaw	No	\$350,000	Investigate extent of free petroleum product and dissolved phase plumes.
68000001	Hoskins Manufacturing 830 East Kittle Road Mio	Oscoda	No	\$2,828,000	Additional investigation to define extent of PCE and identify risks to residential drinking water and surface water, demolish buildings to prevent exposure to contaminated dust and physical hazards in the building, and remove contaminated soil to address direct contact hazards and groundwater contamination.

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Site ID	Site name	County	New Site	Cost Estimate	Actions Needed
70000004	Fenske LF Ottawa Co 2637 Wilson Avenue Walker	Ottawa	No	\$75,000	Continue operation of the leachate removal system and methane monitoring to ensure that there are no fire and explosion risks in nearby homes due to the migration of methane in the groundwater.
70000041	Frmr Burnside Mfg Co 510 W Liberty Street Spring Lake	Ottawa	No	\$50,000	Operate and maintain a groundwater treatment system to prevent contamination from manufacturing operations from affecting drinking water wells, indoor air, and the Grand River and Spring Lake.
73000133	MDOT M13 Ramps Southbound M13 Ramp for I75 Zilwaukee	Saginaw	Yes	\$150,000	Removal of PCB contaminated free petroleum product caused by landfill operations and investigate extent of contamination to ensure protection of the Saginaw River and the Crow Island State Game Area.
73000406	National Plate Glass (L.A. Davidson) 4000-4061 Arthur Street Saginaw	Saginaw	No	\$20,000	Maintenance of cap and sheet pile wall to prevent direct contact with contaminants from plate glass and salt manufacturing. Actions will also prevent contaminated leachate from going onto the shoreline and into the Tittabawassee River.
74000013	Winchester Disposal 3521 Petit Street Port Huron Township	St. Clair	No	\$50,000	Maintenance of cap to address direct contact hazards from salvage operations.
74000161	Fort Gratiot Sanitary Landfill 3290 Keewahdin Road Fort Gratiot	St. Clair	No	\$125,000	Operate and maintain cap and treatment systems installed to control leachate, methane, and groundwater contamination.
74000162	Huron Development Landfill Springborn & Indian Trail China Township	St. Clair	No	\$62,000	Operate and maintain leachate and gas collection systems and the landfill cap to protect residences and recreational areas.
76000124	Black River St 2381 Deckerville	Sanilac	Yes	\$300,000	Investigate PCE contamination from manufacturing operations to determine risks to indoor air and a municipal water system.

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Site ID	Site name	County	New Site	Cost Estimate	Actions Needed
78000056	Magnetek 300 E Main Street Owosso	Shiawassee	No	\$75,000	Operate and maintain soil and groundwater treatment system to eliminate indoor air inhalation risks due to PCE contamination.
80000010	Belgravia (former Hamlin Overton) 125 Elkenbert Street South Haven	Van Buren	No	\$100,000	Recover free petroleum product solvents and operate and maintain treatment system to prevent soil gas indoor inhalation and direct contact exposures.
80000219	Green Acres Subdivision Sandy Ridge Circle and CR375 Mattawan	Van Buren	Yes	\$100,000	Replace residential drinking water wells that are contaminated or threatened by PCE.
82001427	Feister Oil Co 5635 Newburgh Westland	Wayne	No	\$50,000	Operate free petroleum product recovery system to address contamination from refining operations.
82001634	CYB Tools (former) 42056 Michigan Ave Canton	Wayne	No	\$150,000	Operate treatment system to prevent groundwater contaminated with metals and volatile organic compounds from discharging into the Rouge River.
83000036	AAR Cadillac Mfg 201 Haynes Street Cadillac	Wexford	No	\$500,000	Groundwater contamination exists in the immediate vicinity of the Cadillac municipal well field. Further define distribution of contamination and evaluate impacts on the municipal well field.
83000042	Mitchell Bentley – Cadillac 514 W Wright Street Cadillac	Wexford	Yes	\$160,000	Repair and operate groundwater treatment system to prevent PCE contamination of the municipal drinking water supply.
83000102	Cadillac Area GW Contam – Rexair 230 7th Street Cadillac	Wexford	No	\$300,000	Extend township municipal water to 20 residences threatened by TCE plume caused by manufacturing of vacuum cleaners.
	Formerly Used Defense Sites	Statewide	Yes	\$300,000	Demonstrate Department of Defense liability for environmental restoration of properties that were owned or operated by the U.S. government.

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Site ID	Site name	County	New Site	Cost Estimate	Actions Needed
	Total			\$21,100,000	